

## ABSTRACT:

Compensation, e.g. temperature compensation of the operating voltage of an LCD is obtained by using the  $V_{50}$  point of a test cell via the differentiated AC current (switching current of the test cell as a control parameter).

5 Fig. 1

Fig. 1 is a schematic diagram of a compensation circuit for an LCD. It shows a test cell connected to a control circuit. The control circuit includes a differentiator and a feedback loop. The test cell is represented by a block with input and output terminals. The control circuit is shown as a block with a feedback loop. The differentiator is represented by a block with a derivative symbol. The feedback loop is represented by a block with a feedback symbol. The control circuit is connected to the test cell via a control line. The test cell is connected to the control circuit via a feedback line. The control circuit is connected to the test cell via a control line. The test cell is connected to the control circuit via a feedback line.